CLAIMS

1. A method for verifying a configuration of a storage environment having at least one storage system operatively interconnect with at least one client, the method comprising the steps of:

initiating a configuration verification program on at least one client to determine:

(i) versions of components of the storage environment;

(ii) configuration settings of components of the storage environment; and

(iii) if one or more components of the storage environment have failed; and

presenting a report to a user identifying a set of warnings and errors with the configuration of the storage environment.

2. The method of claim 1 wherein the step of initiating the configuration verification program comprises the step of entering a command line interface command.

3. The method of claim 1 wherein components of the storage environment further comprise one or more storage systems.

4. The method of claim 1 wherein components of the storage environment further comprise one or more clients.

5. The method of claim 1 wherein components of the storage environment further comprise one or more network switches.

6. The method of claim 1 wherein components of the storage environment further comprise one or more interconnecting cables joining other components.

7. The method of claim 1 further comprising the step of remotely accessing each of the storage systems by the configuration verification program to determine the version of a storage operating system executing on the storage system.

8. The method of claim 7 wherein the step of remotely accessing each of the storage systems comprises the step of sending a remote application program interface command to the storage system.

9. The method of claim 1 wherein the report further comprises a return code.

10. The method of claim 1 wherein the report further comprises a graphical representation of the configuration of the storage environment.

11. The method of claim 10 wherein the graphical representation further comprises representations of a version and current configuration of each component of the storage environment.

12. The method of claim 1 wherein an administrator initiates the configuration verification program.

13. The method of claim 1 further comprising the step of automatically correcting any of the set of warnings and errors detected.

14. The method of claim 1 further comprising the step of passing the set of warnings and errors to an expert system.

15. A system for verifying a configuration of a storage environment having at least one storage system and a client, the system comprising:

a configuration verification program executing on the client and adapted to determine versions of components of the storage environment, configuration settings of components of the storage environment and if one or more components of the storage environment have failed.

16. The system of claim 15 wherein the configuration verification program is further adapted to present a report to a user identifying a set of warnings and errors with the configuration of the storage environment.

17. The system of claim 16 wherein the report comprises a graphical representation of the current configuration of the storage environment.

18. A system for verifying a configuration of a storage environment having at least one storage system and a client, the system comprising:

a configuration verification program executing on the client and including means for determining versions of components of the storage environment;

means for determining configuration settings of components of the storage environment;

means for determining if one or more components of the storage environment have failed; and

means for presenting a report to a user identifying a set of warnings and errors with the configuration of the storage environment.

19. The system of claim 18 wherein the report comprises a graphical representation of the current configuration of the storage environment.

20. The system of claim 18 wherein the means for determining configuration settings of components comprises means for remotely logging into each of the components of the storage environments.

21. A computer readable medium, including program instructions executing on a computer, for verifying a configuration of a storage environment, the computer readable medium including instructions for:

determining versions of components of the storage environment;

determining configuration settings of components of the storage environment;

determining if one or more components of the storage environment have failed; and

presenting a report to a user identifying a set of warnings and errors with the configuration of the storage environment.

22. The computer readable medium of claim 21 wherein the step of determining versions of the components of the storage environment further comprises the step of remotely accessing each of the storage systems by the configuration verification program to determine the version of a storage operating system executing on the storage system.

23. The computer readable medium of claim 21 wherein the step of remotely accessing each of the storage systems comprises the step of sending a remote application program interface command to the storage system.